

Survey nucleic acid
eg. RNA

ssDNA probe

mix
hybridize
nuclease

RNase H

hybridize to array

extend (eg. Klenow)
with labeled nucleotides

FIG. 1A

Survey nucleic acid
eg. RNA

ssDNA probe

mix
hybridize
nuclease

DNase

hybridize to array

extend with labeled
nucleotides
(eg. reverse transcriptase)

FIG. 1B

Survey nucleic acid
eg. RNA

Labeled ssDNA probe

mix
hybridize
nuclease

RNase H

hybridize to array

FIG. 2



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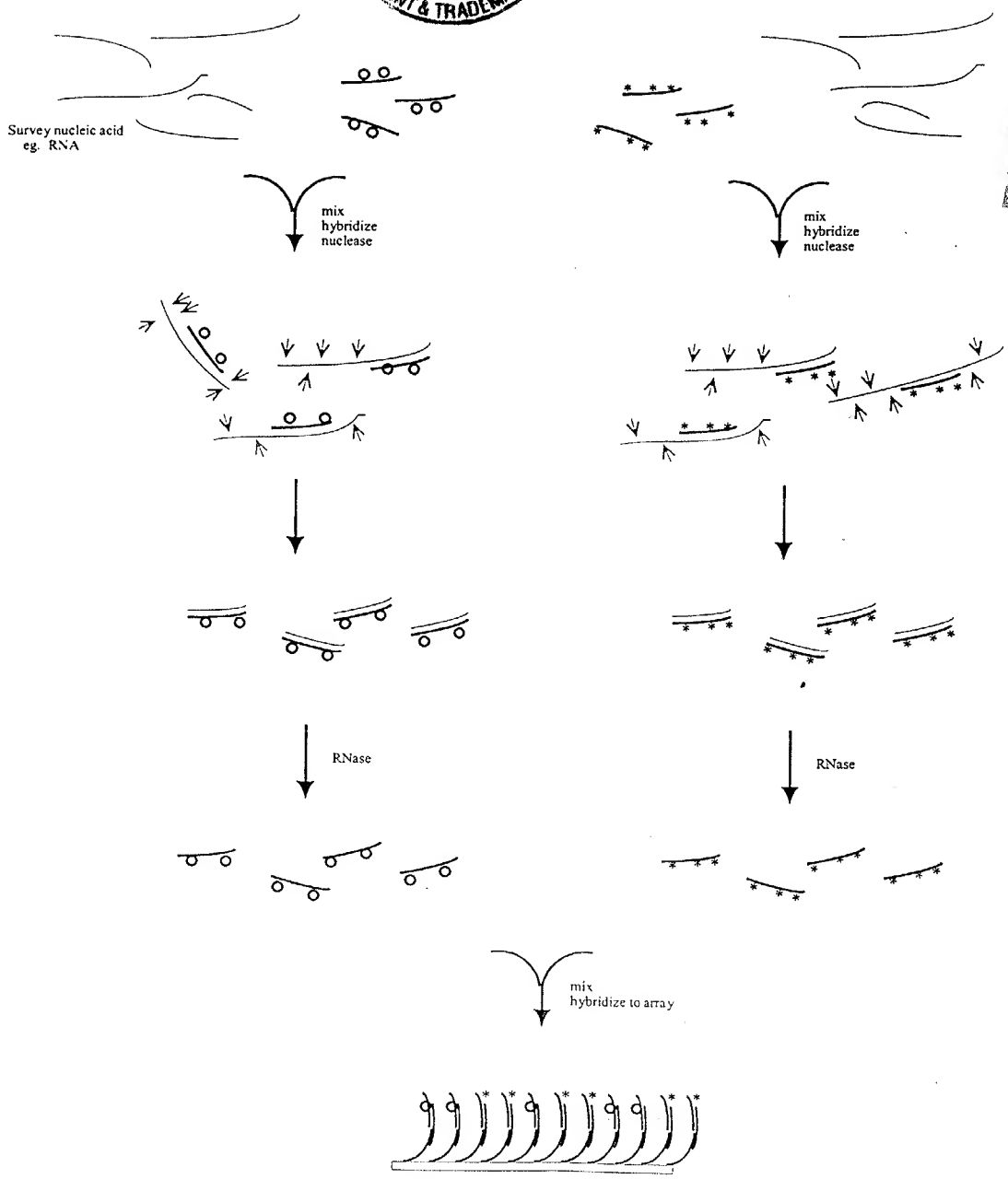


FIG. 3

Survey nucleic acid
eg. RNA

ssDNA probe

mix
hybridize
nuclease

RNase H

hybridize to array

Hybridize labeled
nucleic acid to captured
probe

FIG. 4

Survey nucleic acid
eg. RNA

ssDNA probe

mix
hybridize
nuclease

RNase

hybridize to complementary end labeled
nucleic acid molecules on array

single stranded
exonuclease digestion

FIG. 5

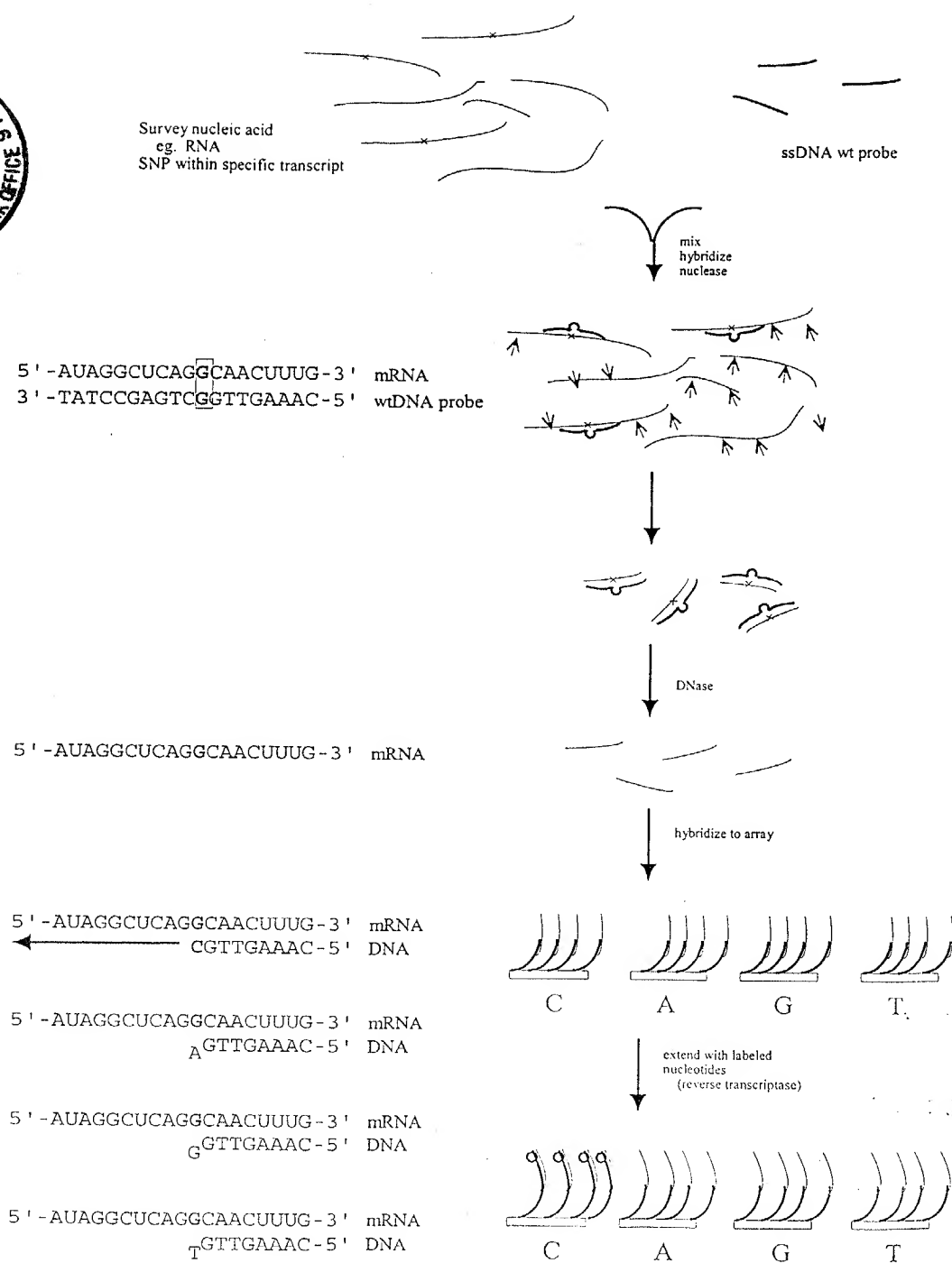


FIG. 6A

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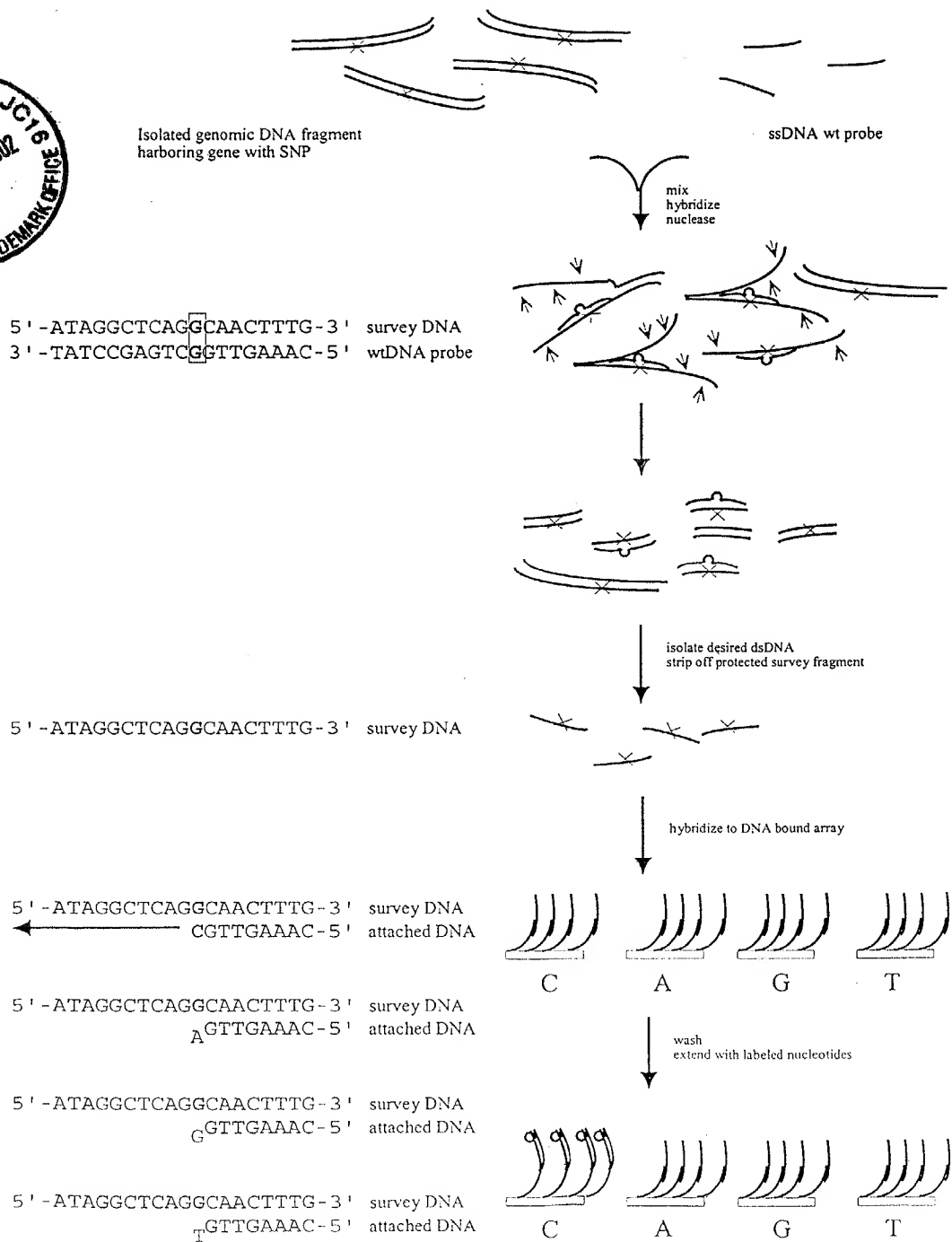


FIG. 6B

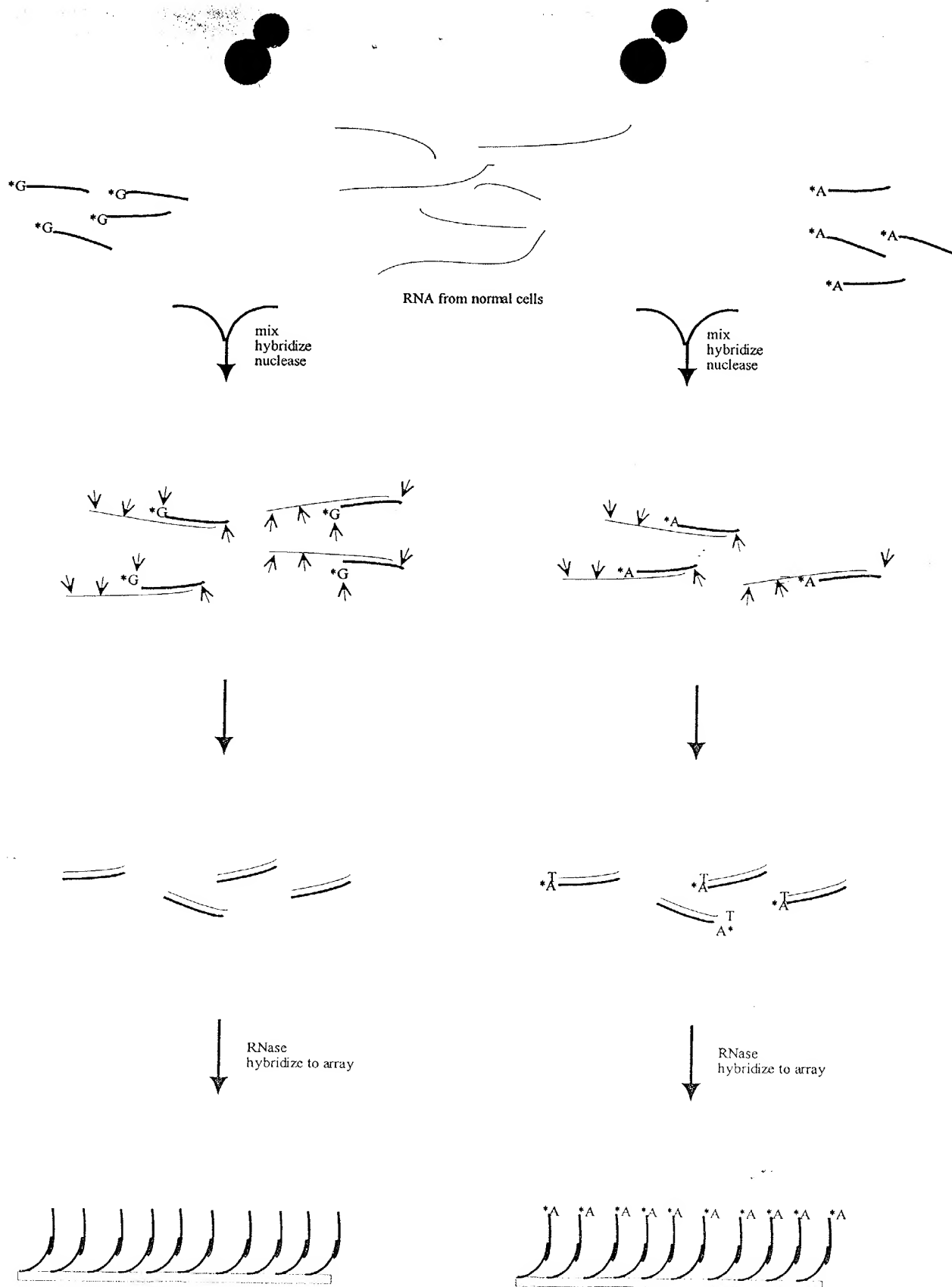


FIG. 7A

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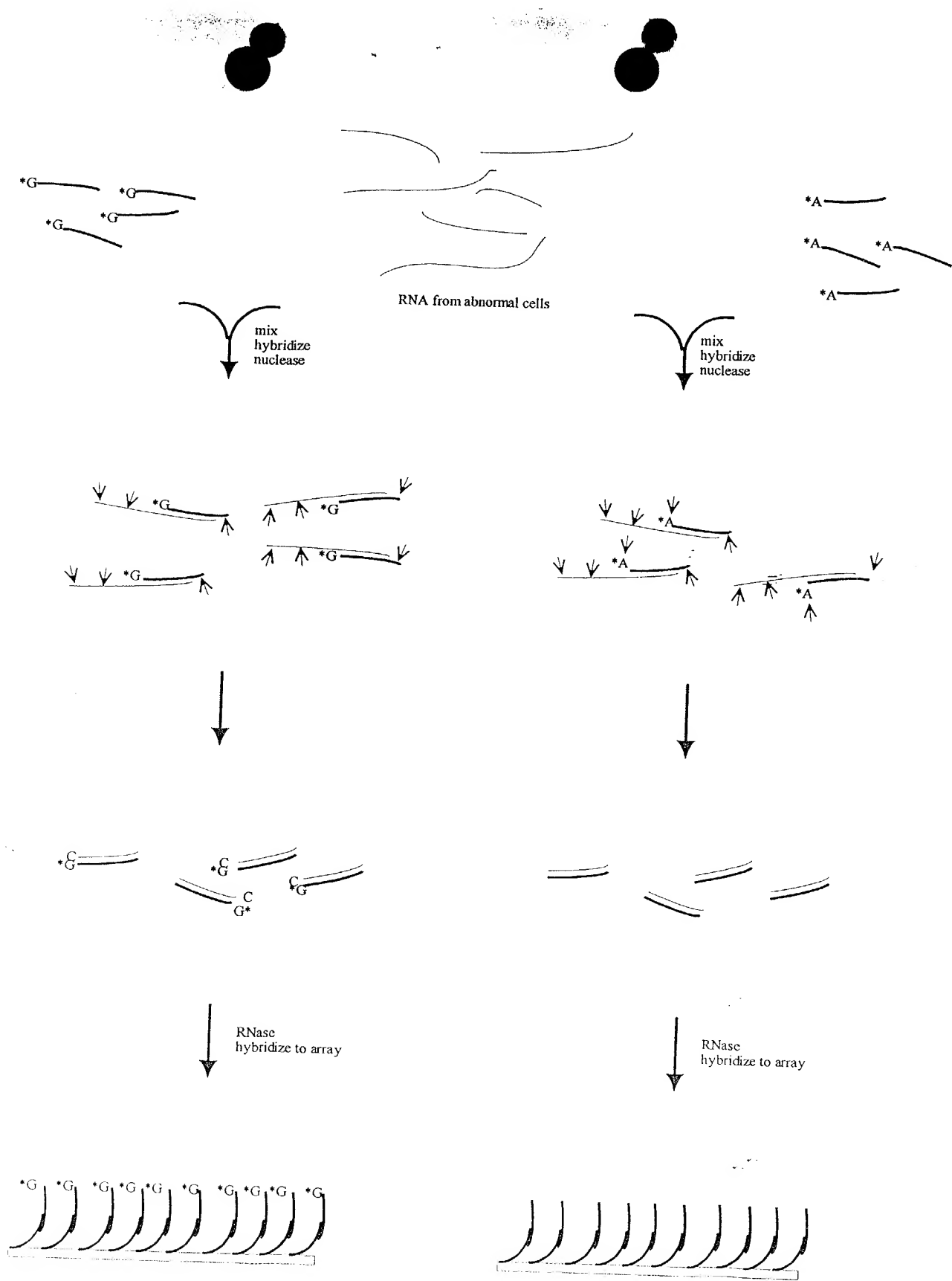


FIG. 7B